

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 336/03502	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/IL 03/00503	International filing date (day/month/year) 12/06/2003	(Earliest) Priority Date (day/month/year) 13/06/2002
Applicant EXISTENT, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 8 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ Certain claims were found unsearchable (See Box I).

3. ☒ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☒ because this figure better characterizes the invention.

4
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL 03/00503

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

A deformable medical implant, comprising: a body defining at least two anchor points, which body is adapted to be deformed so that the two anchor points are moved relative to each other; at least two elongate extensions, each extension fixed to one anchor point; a bridge (306) coupling at least two of said extensions to each other; and at least two hinges (410,414) defined on at least one of said extensions, two of said at least two hinges having different preferred bending directions and being defined on one extension.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL 03/00503

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 44-47
because they relate to subject matter not required to be searched by this Authority, namely:
Rule 39.1(iv) PCT - Method for treatment of the human or animal body by surgery
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-43

A deformable medical implant comprising a body defining two anchor points, two elongate extensions, a bridge coupling at least two of said extensions and at least two hinges defined on at least one of said extensions. Method of distorting the medical implant.

2. Claims: 48-53

A catheter including an advance limiter adapted to carry a stent.

3. Claims: 54-57

A mesh stent.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 03/00503

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61F2/06 A61B17/00 A61M25/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61F A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98/19634 A (VASCULAR SCIENCE INC) 14 May 1998 (1998-05-14) page 8, line 28 -page 9, line 18 figures 2,9 ---	48,50,51
X	US 5 769 821 A (YOUNG PAULINE R ET AL) 23 June 1998 (1998-06-23) column 6, line 37 - line 55 column 12, line 52 - line 56 figures 2A,2B ---	48,53
X	US 6 293 964 B1 (YADAV JAY S) 25 September 2001 (2001-09-25) column 4, line 15 - line 23 figures 1,5 claims 7,16 --- -/--	54

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

5 May 2004

Date of mailing of the international search report

24.05.2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Amaro, H

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IL 03/00503

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 168 621 B1 (VRBA ANTHONY C) 2 January 2001 (2001-01-02) column 2, line 13 - line 26 figures 1,5 ---	54
A	EP 1 212 991 A (CORDIS CORP) 12 June 2002 (2002-06-12) paragraph '0031! - paragraph '0033! figures 4A,5 ---	1
A	US 5 607 444 A (LAM SHARON) 4 March 1997 (1997-03-04) cited in the application the whole document -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL 03/00503

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9819634	A	14-05-1998	US 5976178 A	02-11-1999
			US 6120432 A	19-09-2000
			AU 5102198 A	29-05-1998
			AU 5105798 A	29-05-1998
			AU 5162598 A	29-05-1998
			AU 5162698 A	29-05-1998
			AU 5166498 A	29-05-1998
			AU 5168398 A	29-05-1998
			AU 5179698 A	29-05-1998
			AU 5197098 A	29-05-1998
			AU 5251498 A	29-05-1998
			AU 7000498 A	29-05-1998
			EP 0951251 A2	27-10-1999
			EP 0951252 A2	27-10-1999
			EP 0996386 A1	03-05-2000
			EP 0949889 A2	20-10-1999
			JP 2001504365 T	03-04-2001
			JP 2002501399 T	15-01-2002
			JP 2001502588 T	27-02-2001
			JP 2001503303 T	13-03-2001
			US 2002087181 A1	04-07-2002
			WO 9819629 A2	14-05-1998
			WO 9819630 A2	14-05-1998
			WO 9819618 A1	14-05-1998
			WO 9819631 A1	14-05-1998
			WO 9819632 A1	14-05-1998
			WO 9819732 A1	14-05-1998
			WO 9819634 A2	14-05-1998
			WO 9819608 A1	14-05-1998
			WO 9819635 A1	14-05-1998
			WO 9819636 A2	14-05-1998
			US 6302905 B1	16-10-2001
			US 2001041931 A1	15-11-2001
			US 6206912 B1	27-03-2001
			US 5931842 A	03-08-1999
			US 2002022857 A1	21-02-2002
			US 2002087046 A1	04-07-2002
			US 6186942 B1	13-02-2001
			US 2003083541 A1	01-05-2003
			US 6514196 B1	04-02-2003
US 5769821	A	23-06-1998	AU 3784693 A	05-10-1993
			CA 2131329 A1	16-09-1993
			WO 9317747 A1	16-09-1993
			US 5509900 A	23-04-1996
			US 6071263 A	06-06-2000
			US 6558349 B1	06-05-2003
US 6293964	B1	25-09-2001	US 6096071 A	01-08-2000
US 6168621	B1	02-01-2001	CA 2326882 A1	02-12-1999
			EP 1079768 A1	07-03-2001
			JP 2002516143 T	04-06-2002
			WO 9960953 A1	02-12-1999
			US 2002133218 A1	19-09-2002
EP 1212991	A	12-06-2002	US 2001001317 A1	17-05-2001
			AU 9714301 A	13-06-2002

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL 03/00503

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1212991	A	CA 2364725 A1	07-06-2002
		EP 1212991 A2	12-06-2002
		JP 2002263195 A	17-09-2002
		US 2003074054 A1	17-04-2003
US 5607444	A	04-03-1997	US 5868777 A
			09-02-1999